

*SAP S/4HANA Cloud*  
*Statutory Reporting Communication Management Guide*

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### 1. Overview of the Statutory Reporting Integration

In some countries, companies can submit statutory reports electronically by using web services provided by the respective government agencies. SAP S/4HANA Statutory Reporting Framework (SRF) uses SAP Hana Cloud Integration (HCI) for electronic submission of files. Communication management setup is required for setting up communication between S/4HANA tenant and HCI tenant.

This document provides steps to create communication user, communication system, and communication arrangement relevant for Statutory Reporting integration.

### 2. Prerequisites

- Live HCI test or productive tenant should be available.
- Communication management setup are not transportable and should be explicitly maintained in quality and production systems.
- S/4HANA User, who is following the guide, should be assigned to the catalog role SAP\_BCR\_CORE\_COM for accessing communication management application.

Note: Content of this guide is relevant only for SAP S/4HANA Cloud.

### 3. Communication User

A communication user is required for in-bound communication, that is, to make asynchronous call from the HCI tenant to the S/4HANA tenant. Role SAP\_COM\_CSR\_0012 assignment to communication user will authorize user to access statutory reporting web service to receive the response from HCI tenant.

**PROCEDURE:**

1. Log on to the system.
2. Access the FIORI App **Maintain Communication Users**.
3. Click **Create** button on bottom right.
4. Enter the following information:

User Data		
Field	Value	Comments
User Name	<free text>	Communication user name
Description	<free text>	

5. Authentication can be either password based or certificate based.
  - a. In case of password based authentication:  
Password can be manually entered or select “Propose Password” for system to generate password.
  - b. In case of certificate based authentication:  
Click **Upload Certificate** to upload the certificate for authentication.

**Note:**

- I. Certificate uploaded will enable user authorization for communication from HCI tenant to S/4HANA tenant.
  - II. If a communication user is created using a certificate, then the other communication users cannot use the same certificate. In such a case, existing communication user can be reused for Statutory Reporting integration and the creation of new communication user can be discarded.
- c. Click **Create/Save** button to create and save.

**RESULT:**

Communication user is created.

## 4. Communication System

The Communication System is the prerequisite for establishing the communication. It contains the necessary technical information, such as, hostname/IP-Address, User information, certificates, and so on.

**Note:** It is assumed that there will be only one communication user required per integrated system - independent of the number of communication arrangement instances. Therefore, in the communication arrangement the key user just chooses from the users assigned to the system.

### PROCEDURE:

1. Access the Fiori App **Communication Systems**.
2. Click the **New** button on bottom right.
3. Enter the following information:

New Communication System		
Field	Value	Comments
ID	<Free text>	Each ID must be unique.
Name	<Free text>	System name/description

Click the **Create** button and navigate to new screen.

Technical Data		
Field	Value	Comments
Host Name	Enter Computer Name Access URL (HCI tenant operational URL)	<p>Example: "XXXXXXX-iflmap.hciXX.XXX.ondemand.com"</p> <p><b>Note: Make sure IFLMAP URL (work node URL) is entered and not the tmn node URL. You can find IFLMAP URL in the HCI notification mail.</b></p> <p><b>Do not prefix "https://" to the URL.</b></p>

4. Click the + button on **User for Inbound Communication** section.

**Note:** Communication user created prior to this step needs to be used along with the authentication method used for the communication user.

New Inbound Communication User		
Field	Value	Comments
Authentication method	<ul style="list-style-type: none"> <li>• User name and password</li> <li style="text-align: center;">Or</li> <li>• SSL Client certificate</li> </ul>	Select the authentication required.
User Name	Communication user	<ol style="list-style-type: none"> <li>1. Click on User name. Pop-up window with list of communication user appears.</li> <li>2. Select required communication user.</li> </ol>

Click **OK**.

5. Click the + button on **User for Outbound Communication** section.

**Note:** User authorized to access the HCI tenant should be mentioned as Outbound Communication user. Outbound Communication user is used to establish communication for S/4HANA tenant to HCI tenant.

New Outbound Communication User		
Field	Value	Comments
Authentication method	<ul style="list-style-type: none"> <li>• User name and password</li> <li style="text-align: center;">Or</li> <li>• SSL Client certificate</li> </ul>	Select the authentication required.
User Name and Password	Enter username and password for HCI tenant authentication	Required only if username and password authentication is used
Certificate Type	Select client certificate	Required only if SSL Client certificate authentication is used

**Note:** The certificate should be downloaded from the link provided in the HCI notification mail.

Click **Save**.

**RESULT:**

Communication system is created.

## 5. Communication Arrangement - Settings for Communication Scenario SAP\_COM\_0012

A Communication Arrangement is always created for one Communication Scenario and one Communication System. That means all services of a Communication Scenario have the same target server.

For the Statutory Reporting Integration, scenario ID SAP\_COM\_0012 has been assigned.

### PROCEDURE:

1. Access the Fiori App **Communication Arrangements**.
2. Click the **New** button on bottom right.
3. Enter the following information:

New Communication Arrangement		
Field	Value	Comments
Scenario	SAP_COM_0012	Click the <b>Scenario</b> input field. Select scenario ID SAP_COM_0012.
User Name	SAP_COM_0012	Auto populated after selecting scenario ID.

4. Click **Create** button and navigate to new screen. Enter the following details:

Common Data		
Field	Value	Comments
Arrangement Name	SAP_COM_0012	Maintain the value as entered in previous screen.
Communication System	<Communication system>	Click on communication system input field. Select the communication system created.

Inbound Communication		
Field	Value	Comments
User Name	Communication user	Click on User name input field. In Pop-up window, select the displayed communication user.

Outbound Communication		
Field	Value	Comments
User Name/certificate	Outbound communication system user	Click the <b>User name/certificate</b> input field. In pop-up window, select the displayed Outbound communication system user

Outbound service		
Field	Value	Comments
Path	/cxf/s4hana/glo/srf/govtsubmission	<b>Note: Do not change the default value.</b>

5. Click **Save**.

**RESULT:**

Communication arrangement is created.

**Note:** Make sure that the Communication System and Communication Arrangement are active.